

ABSTRACT OF THE DISCLOSURE

5           A premixed fuel burner assembly includes a hollow tubular burner body, a hollow tubular venturi tube and a distribution plate. The burner body is a hollow tube having a open end and a closed end. The burner body also has a longitudinal porting area within which are formed a plurality of radially formed slots. The hollow tubular venturi tube is positioned within the burner body along 10 the longitudinal axis extending from said first end. The distribution plate has a mid-section and longitudinal flanges. The flanges of the distribution plate are coupled to the inside surface of burner body and said mid-section has a plurality of holes formed within. The distribution plate is axially aligned and positioned within said burner body such that said holes of distribution plate are positioned 15 adjacent the radially formed slots within said burner body.